

RD 1601

SACRAMENTO-SAN JOAQUIN DELTA ISLANDS & LEVEES, CA  
CALFED LEVEE SYSTEM INTEGRITY PROGRAM  
REQUEST FOR PROPOSALS  
FOR DEVELOPMNT OF POTENTIAL INITIAL PROJECTS

PROJECT SUMMARY INFORMATION SHEET

Submitting Agency:

Reclamation District 1601 – Twitchell Island

Project Name:

PL84-99 Levee Upgrades

Purpose of Project:

Improve static stability of District's levee system.

Location of Project:

Reclamation District 1601 – Twitchell Island, Sacramento County.

Problems Addressed By Project:

Improve Factor of Safety and levee performance against by improving the District's levee to the PL84-99 standard.

Opportunities:

To Reduce Flood Damages:

Reclamation District No. 1601 – Twitchell Island (RD 1601) operates and maintains approximately 12 miles of levee along Sevenmile Slough, San Joaquin River and Threemile Slough which protect 3,520 acres of agricultural, land. This proposed levee improvement project would improve the District's levees to the US Army Corps of Engineers PL 84-99 Standard by raising the levee crown and flattening the levee landside slope.

Protect Water Supply/conveyance:

RD 1601 is one of the 8 western delta islands that have been identified by Department of Water Resources as important island to remain intact in order to maintain water quality in the Delta for the State Water Project.

Ecosystem Restoration:

N/A

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Project Description:

RD 1601 plans on undertaking a subsurface geotechnical investigation along its levee system in order to assist in the development of improvement plans. It is anticipated that the geotechnical analysis would focus the District's efforts and help in determining the best configuration and design template for certain reaches of levee.

Project Scope:

The project would involve various sites along the entire perimeter levee:

Levee Mile 0+00 to 629+79 – say 63,000 l.f.

Project Costs:

PL 84-99 Improvements	\$8.7 to \$23 million
Engineering, Design, & Construction	\$1.7 to \$7.4 million

Willingness & Ability to Cost Share

At this time, RD 1601 has limited ability to Cost Share in a Federal Project. This is a critical matter, and needs to be resolved prior to RD 1601 committing to cost share. In the past, other Districts have provided land, easements and/or right of ways, while the State of California has picked up the balance of the cost share. In order for the RD 1601 to consider cost sharing in this project, other responsible agencies will also need to be identified and commit to cost sharing.

Point of Contact & Agency Affiliation

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Scoping & Screening Information

Project urgency

RD 1601 provides flood protection for \$14 million worth in farmland. Most importantly RD 1601 is one of the 8 western delta islands that must remain intact in order to maintain water quality in the Delta. RD 1601 is also an important natural gas producing area and has several wells and transmission pipelines located within the District.

Anticipated changes in magnitude, frequency or duration of flood flows:

Not Applicable.

How does project address flooding, ecosystem, water supply & quality?

See Answers in text above.

Who or what will benefit from the potential project?

See Answers in text above.

What is the likely federal, state & local agency support?

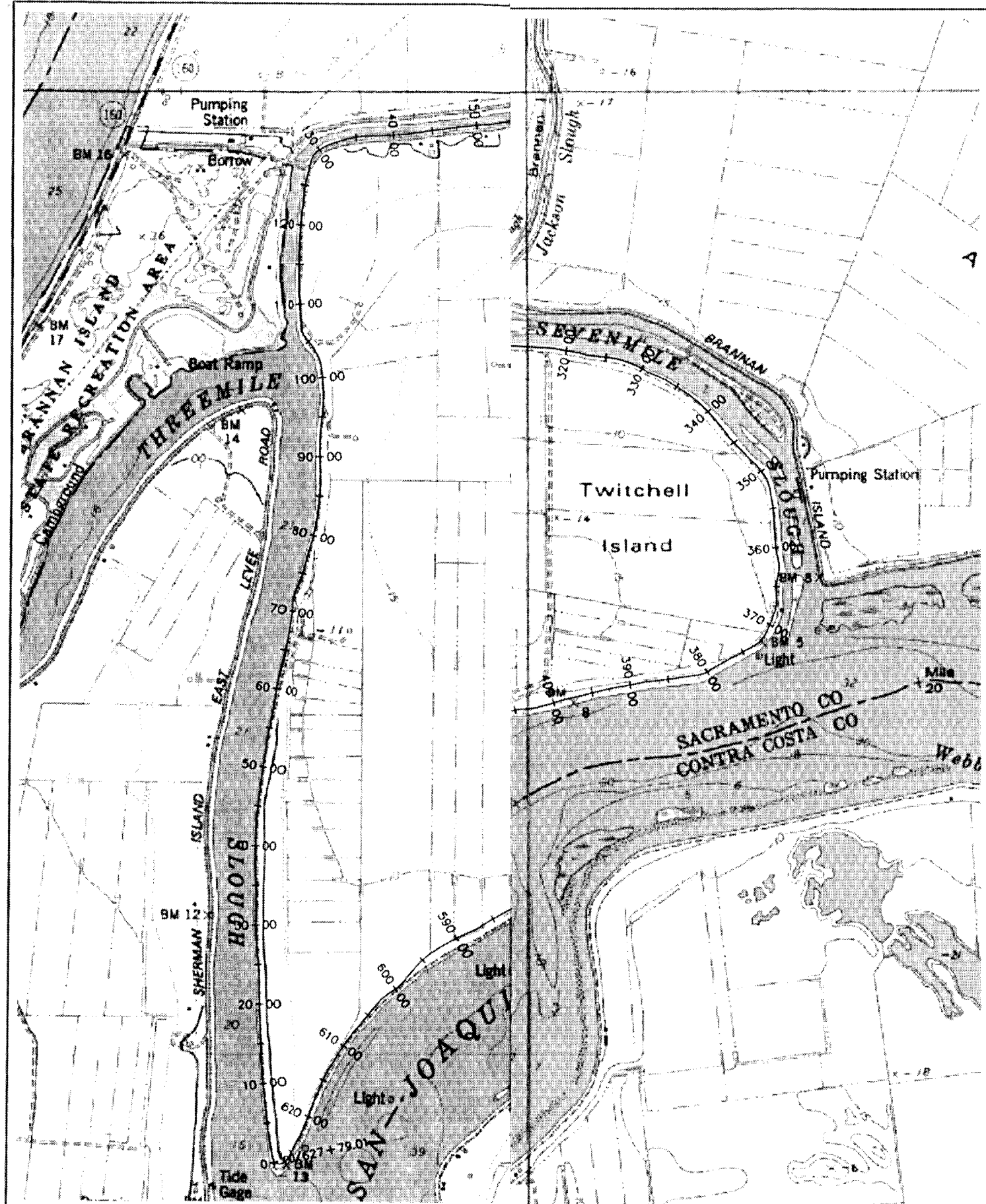
See paragraph above regarding "Willingness & Ability to Cost Share."


Are there obstacles that may delay development and implementation of project?

Available Cost Sharing.

Is your agency ready, willing and able to serve as non-federal sponsor?

See paragraph above regarding "Willingness & Ability to Cost Share."



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				Check <b>CHN</b>	Original Drawing Scale  0 1/2" = 1" 	Project File No. <b>1601-0010</b>